

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Network~~ A network apparatus management ~~Protocol-protocol~~ (NEAP)[[.]] ~~the said NEAP that~~ uses a network apparatus management tool to establish a one-client-multi-server mode together with ~~all the~~ every network apparatuses on the same network, ~~thereby whereby, through the said NEAP,~~ the said management tool plays the role of one-client and ~~the other another~~ network apparatus on the same network ~~play plays~~ the role of multi-server, the said management tool being arranged according to said NEAP to make cause the said every network apparatus[[.]] ~~through the said NEAP[[.]] to~~ assign a special communication port number in the header of a User Datagram Protocol (UDP) as the port number, ~~also to make cause the a~~ request packet of ~~the a~~ client end to work as the UDP destination port number based on the UDP communication port number assigned by the said NEAP, and also to set the UDP source port number according to ~~the a~~ mechanism at the client end, ~~therefore wherein,~~ after receiving the said request packet and accomplishing the operation requested to be conducted, the said every network apparatus exchanges the said UDP destination port number and the said UDP source port number, then transmits it to the client end by broadcasting to enable the said client end to easily achieve the purpose of managing all the said network apparatuses on the same network.

2. (Currently Amended) ~~Network~~ A network apparatus management protocol according to Claim 1, wherein the columns for defining data of ~~the a~~ packet code and server MAC address are included in the header of the said NEAP, wherein the said packet code can be divided into three major codes of discovering, getting and setting according to the different destination addresses[[:]] and wherein the said server MAC address is used to represent the server at the

client end ~~requesting in order to request~~ conducting the operations of discovering, assigning, getting or setting.

3. (Currently Amended) ~~Network A network~~ apparatus management protocol according to Claim 2, wherein the data of the said NEAP includes a series of data columns for defining ~~attributes~~ attribute data, ~~thereby whereby~~ the said attribute data is utilized to describe ~~the a~~ data value to be gotten or set.

4. (Currently Amended) ~~Network A network~~ apparatus management protocol according to Claim 3, wherein, when the client end ~~tends to conduct~~ conducts data getting toward the said server, the said client end ~~can sequentially fill~~ fills in the data item to be gotten into the said data column according to its attribute type, then ~~send~~ sends out the request packet; and wherein after the said packet ~~being is~~ received by the said server, the said server sequentially decodes the attribute data in the said data column, fills ~~the~~ data in the said server corresponding to the said attribute type in the attribute value column of the said packet, and transmits the said packet back to the client end to enable the client end to easily get the data in the said server.

5. (Currently Amended) ~~Network A network~~ apparatus management protocol according to Claim 3, wherein, when the client end ~~tends to conduct~~ conducts data setting toward the said server, the said client end ~~can sequentially fill~~ fills the data item to be set in the said data column according to its attribute type, then ~~send~~ sends out the request packet; and wherein after the said packet ~~being is~~ received by the said server, the said server sequentially decodes the attribute data in the said data column and sets the set data in the attribute value column to the corresponding position in the said server according to its attribute type to enable the said client end to easily accomplish the setting job for the said server.

6. (Currently Amended) ~~Network A network~~ apparatus management protocol according to Claim 3, wherein, before sending out the said request packet, the said client end first adds ~~the a~~ password to the entire request packet excluding ~~the~~ columns of an authenticator and server MAC

Serial Number 09/894,128

address according to a set method of code encryption, then fills it in the said authenticator column and sends the said request packet out from the client end; after the request packet ~~being~~ is received by the said every server, the said every server uses the same code encryption method to encrypt the entire request packet into data according to the preset password provided by the said every server, compares it with the data in the authenticator column in the said request packet; if both are the same, the operation of getting or setting is conducted; otherwise, the request of the said packet is rejected.